

# SCORE Search Results Details for Application 10552515 and Search Result 20090316\_112516\_us-10-552-515-8.rai.

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OM protein - protein search, using sw model

Run on: March 17, 2009, 05:01:40 ; Search time 2 Seconds  
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1258.128 Million cell updates/sec

Title: US-10-552-515-8  
Perfect score: 41  
Sequence: 1 ILFEILAKT 9

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1316349 seqs, 215321474 residues

Total number of hits satisfying chosen parameters: 1316349

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued\_Patents\_AA:\*  
1: /ABSS/Data/CRF/ptodata/1/iaa/5\_COMB.pep:\*  
2: /ABSS/Data/CRF/ptodata/1/iaa/6\_COMB.pep:\*  
3: /ABSS/Data/CRF/ptodata/1/iaa/7\_COMB.pep:\*  
4: /ABSS/Data/CRF/ptodata/1/iaa/H\_COMB.pep:\*  
5: /ABSS/Data/CRF/ptodata/1/iaa/PCTUS\_COMB.pep:\*  
6: /ABSS/Data/CRF/ptodata/1/iaa/RE\_COMB.pep:\*  
7: /ABSS/Data/CRF/ptodata/1/iaa/backfiles1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

%  
Result Query

No.	Score	Match	Length	DB	ID	Description
1	32	78.0	227	2	US-09-489-039A-10192	Sequence 10192, A
2	32	78.0	241	3	US-09-252-691C-7797	Sequence 7797, Ap
3	32	78.0	463	2	US-09-134-000C-4873	Sequence 4873, Ap
4	32	78.0	678	2	US-09-252-991A-20693	Sequence 20693, A
5	31	75.6	620	2	US-09-540-236-3109	Sequence 3109, Ap
6	31	75.6	1062	3	US-10-369-493-1676	Sequence 1676, Ap
7	30	73.2	140	3	US-10-450-183-18	Sequence 18, Appl
8	30	73.2	141	3	US-10-450-183-21	Sequence 21, Appl
9	30	73.2	239	2	US-09-543-681A-7402	Sequence 7402, Ap
10	30	73.2	303	3	US-10-029-345A-29	Sequence 29, Appl
11	30	73.2	303	3	US-11-143-984A-29	Sequence 29, Appl
12	30	73.2	304	2	US-09-540-236-2172	Sequence 2172, Ap
13	30	73.2	365	1	US-08-204-288-7	Sequence 7, Appli
14	30	73.2	367	3	US-10-450-183-15	Sequence 15, Appl
15	30	73.2	372	3	US-10-450-183-2	Sequence 2, Appli
16	30	73.2	372	3	US-10-450-183-16	Sequence 16, Appl
17	30	73.2	469	3	US-10-369-493-2943	Sequence 2943, Ap
18	30	73.2	1253	2	US-08-864-785-2	Sequence 2, Appli
19	30	73.2	1253	3	US-10-369-493-5707	Sequence 5707, Ap
20	29	70.7	44	3	US-10-105-299-3284	Sequence 3284, Ap
21	29	70.7	145	2	US-09-134-000C-3844	Sequence 3844, Ap
22	29	70.7	252	3	US-09-252-691C-6149	Sequence 6149, Ap
23	29	70.7	290	3	US-10-369-493-8337	Sequence 8337, Ap
24	29	70.7	296	3	US-10-369-493-480	Sequence 480, App
25	29	70.7	296	3	US-10-369-493-21173	Sequence 21173, A
26	29	70.7	307	2	US-09-543-681A-5908	Sequence 5908, Ap
27	29	70.7	321	3	US-11-216-782-7333	Sequence 7333, Ap
28	29	70.7	361	3	US-10-198-232-78	Sequence 78, Appl
29	29	70.7	444	3	US-10-369-493-10931	Sequence 10931, A
30	29	70.7	642	2	US-09-270-767-41884	Sequence 41884, A
31	29	70.7	1016	3	US-10-371-905B-4	Sequence 4, Appli
32	29	70.7	2249	3	US-09-866-557A-4	Sequence 4, Appli
33	28	68.3	49	2	US-09-205-258-556	Sequence 556, App
34	28	68.3	49	2	US-10-004-860-556	Sequence 556, App
35	28	68.3	106	3	US-10-703-032-147913	Sequence 147913,
36	28	68.3	110	3	US-10-631-441A-2165	Sequence 2165, Ap
37	28	68.3	113	2	US-09-489-039A-10318	Sequence 10318, A
38	28	68.3	138	3	US-10-703-032-107686	Sequence 107686,
39	28	68.3	138	3	US-10-703-032-158199	Sequence 158199,
40	28	68.3	139	3	US-10-703-032-135585	Sequence 135585,
41	28	68.3	161	2	US-09-605-703B-882	Sequence 882, App
42	28	68.3	164	3	US-10-400-071B-5	Sequence 5, Appli
43	28	68.3	174	3	US-10-703-032-112769	Sequence 112769,
44	28	68.3	183	3	US-10-703-032-181054	Sequence 181054,
45	28	68.3	201	2	US-09-270-767-34878	Sequence 34878, A

## ALIGNMENTS

## RESULT 1

US-09-489-039A-10192

; Sequence 10192, Application US/09489039A

; Patent No. 6610836

; GENERAL INFORMATION:

; APPLICANT: Gary Breton et. al  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA  
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 2709.2004001  
; CURRENT APPLICATION NUMBER: US/09/489,039A  
; CURRENT FILING DATE: 2000-01-27  
; PRIOR APPLICATION NUMBER: US 60/117,747  
; PRIOR FILING DATE: 1999-01-29  
; NUMBER OF SEQ ID NOS: 14342  
; SEQ ID NO 10192  
; LENGTH: 227  
; TYPE: PRT  
; ORGANISM: Klebsiella pneumoniae  
US-09-489-039A-10192

Query Match 78.0%; Score 32; DB 2; Length 227;  
Best Local Similarity 87.5%; Pred. No. 1e+02;  
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 2 LFEILAKT 9  
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Db 58 LFSILAKT 65

RESULT 2  
US-09-252-691C-7797  
; Sequence 7797, Application US/09252691C  
; Patent No. 7041814  
; GENERAL INFORMATION:  
; APPLICANT: Keith G. Weinstock et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ENTEROBACTER  
; TITLE OF INVENTION: CLOACAE FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 107196.135  
; CURRENT APPLICATION NUMBER: US/09/252,691C  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,145  
; PRIOR FILING DATE: 1998-07-24  
; PRIOR APPLICATION NUMBER: US 60/074,787  
; PRIOR FILING DATE: 1998-02-18  
; NUMBER OF SEQ ID NOS: 11326  
; SEQ ID NO 7797  
; LENGTH: 241  
; TYPE: PRT  
; ORGANISM: Enterobacter cloacae  
; FEATURE:  
; NAME/KEY: UNSURE  
; LOCATION: (18)  
US-09-252-691C-7797

Query Match 78.0%; Score 32; DB 3; Length 241;  
Best Local Similarity 87.5%; Pred. No. 1.1e+02;  
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 2 LFEILAKT 9  
|| |||||  
Db 72 LFSILAKT 79

RESULT 3

US-09-134-000C-4873

; Sequence 4873, Application US/09134000C  
; Patent No. 6617156  
; GENERAL INFORMATION:  
; APPLICANT: Lynn Doucette-Stamm et al  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO  
; TITLE OF INVENTION: ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 032796-032  
; CURRENT APPLICATION NUMBER: US/09/134,000C  
; CURRENT FILING DATE: 1998-08-13  
; PRIOR APPLICATION NUMBER: US 60/055,778  
; PRIOR FILING DATE: 1997-08-15  
; NUMBER OF SEQ ID NOS: 6812  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 4873  
; LENGTH: 463  
; TYPE: PRT  
; ORGANISM: Enterococcus faecalis  
US-09-134-000C-4873

Query Match 78.0%; Score 32; DB 2; Length 463;  
Best Local Similarity 87.5%; Pred. No. 2.1e+02;  
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 2 LFEILAKT 9  
||| ||||  
Db 186 LFEALAKT 193

RESULT 4

US-09-252-991A-20693

; Sequence 20693, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 20693  
; LENGTH: 678  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-20693

Query Match 78.0%; Score 32; DB 2; Length 678;  
Best Local Similarity 66.7%; Pred. No. 3.2e+02;  
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy            1 ILFEILAKT 9  
              :|||: |||  
Db           419 LLFELTAKT 427

RESULT 5

US-09-540-236-3109  
; Sequence 3109, Application US/09540236  
; Patent No. 6673910  
; GENERAL INFORMATION:  
; APPLICANT: Gary L. Breton et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO MORAXELLA CATARRHALIS  
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 2709.2005-001  
; CURRENT APPLICATION NUMBER: US/09/540,236  
; CURRENT FILING DATE: 2000-04-04  
; NUMBER OF SEQ ID NOS: 3840  
; SEQ ID NO 3109  
; LENGTH: 620  
; TYPE: PRT  
; ORGANISM: M.catarrhalis  
US-09-540-236-3109

Query Match            75.6%;   Score 31;   DB 2;   Length 620;  
Best Local Similarity   87.5%;   Pred. No. 4.7e+02;  
Matches       7;   Conservative       0;   Mismatches       1;   Indels       0;   Gaps       0;

Qy            2 LFEILAKT 9  
              || |||||  
Db           212 LFTILAKT 219

RESULT 6

US-10-369-493-1676  
; Sequence 1676, Application US/10369493  
; Patent No. 7314974  
; GENERAL INFORMATION:  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Hinkle, Gregory J.  
; APPLICANT: Slater, Steven C.  
; APPLICANT: Goldman, Barry S.  
; APPLICANT: Chen, Xianfeng  
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF  
; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES  
; FILE REFERENCE: 38-10(52052)B  
; CURRENT APPLICATION NUMBER: US/10/369,493  
; CURRENT FILING DATE: 2003-02-28  
; PRIOR APPLICATION NUMBER: US 60/360,039  
; PRIOR FILING DATE: 2002-02-21  
; NUMBER OF SEQ ID NOS: 47374  
; SEQ ID NO 1676  
; LENGTH: 1062  
; TYPE: PRT  
; ORGANISM: Saccharomyces cerevisiae  
US-10-369-493-1676

Query Match 75.6%; Score 31; DB 3; Length 1062;  
 Best Local Similarity 66.7%; Pred. No. 8.3e+02;  
 Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 ILFEILAKT 9  
 : ||||:|  
 Db 889 LAFEILSKT 897

RESULT 7

US-10-450-183-18

; Sequence 18, Application US/10450183

; Patent No. 7384759

; GENERAL INFORMATION

; APPLICANT: NOEL, JOSEPH P.

; APPLICANT:ZUBIETA, CHLOE

; APPLICANT:DIXON, RICHARD

; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DETERMINING ENZYMATIC

; TITLE OF INVENTION:ACTIVITY AND SPECIFICITY OF METHLYTRANSFERASES

; FILE REFERENCE: 088802-8153

; CURRENT APPLICATION NUMBER: US/10/450,183

; CURRENT FILING DATE: 2007-12-28

; PRIOR APPLICATION NUMBER: PCT/US01/17852

; PRIOR FILING DATE: 2001-06-01

; PRIOR APPLICATION NUMBER: 60/254,871

; PRIOR FILING DATE: 2000-12-11

; NUMBER OF SEQ ID NOS: 22

; SOFTWARE: PatentIn Ver. 3.3

; SEQ ID NO 18

; LENGTH: 140

; TYPE: PRT

; ORGANISM: Medicago sativa

; FEATURE:

; NAME/KEY: MOD\_RES

; LOCATION: (10)

; OTHER INFORMATION: Mse

; FEATURE:

; NAME/KEY: MOD\_RES

; LOCATION: (44)

; OTHER INFORMATION: Mse

; FEATURE:

; NAME/KEY: MOD\_RES

; LOCATION: (69)

; OTHER INFORMATION: Mse

; FEATURE:

; NAME/KEY: MOD\_RES

; LOCATION: (99)

; OTHER INFORMATION: Mse

; FEATURE:

; NAME/KEY: MOD\_RES

; LOCATION: (130)

; OTHER INFORMATION: Mse

US-10-450-183-18

Query Match 73.2%; Score 30; DB 3; Length 140;  
 Best Local Similarity 85.7%; Pred. No. 1.6e+02;  
 Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 2 LFEILAK 8  
 ||||:|  
 Db 30 LFEIIAK 36

RESULT 8

US-10-450-183-21  
 ; Sequence 21, Application US/10450183  
 ; Patent No. 7384759  
 ; GENERAL INFORMATION  
 ; APPLICANT: NOEL, JOSEPH P.  
 ; APPLICANT:ZUBIETA, CHLOE  
 ; APPLICANT:DIXON, RICHARD  
 ; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DETERMINING ENZYMATI  
 ; TITLE OF INVENTION:ACTIVITY AND SPECIFICITY OF METHLYTRANSFERASES  
 ; FILE REFERENCE: 088802-8153  
 ; CURRENT APPLICATION NUMBER: US/10/450,183  
 ; CURRENT FILING DATE: 2007-12-28  
 ; PRIOR APPLICATION NUMBER: PCT/US01/17852  
 ; PRIOR FILING DATE: 2001-06-01  
 ; PRIOR APPLICATION NUMBER: 60/254,871  
 ; PRIOR FILING DATE: 2000-12-11  
 ; NUMBER OF SEQ ID NOS: 22  
 ; SOFTWARE: PatentIn Ver. 3.3  
 ; SEQ ID NO 21  
 ; LENGTH: 141  
 ; TYPE: PRT  
 ; ORGANISM: Medicago sativa  
 US-10-450-183-21

Query Match 73.2%; Score 30; DB 3; Length 141;  
 Best Local Similarity 85.7%; Pred. No. 1.6e+02;  
 Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 2 LFEILAK 8  
 ||||:|  
 Db 31 LFEIIAK 37

RESULT 9

US-09-543-681A-7402  
 ; Sequence 7402, Application US/09543681A  
 ; Patent No. 6605709  
 ; GENERAL INFORMATION:  
 ; APPLICANT: GARY BRETON  
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS  
 FOR  
 ; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS  
 ; FILE REFERENCE: 2709.1002-001  
 ; CURRENT APPLICATION NUMBER: US/09/543,681A  
 ; CURRENT FILING DATE: 2000-04-05  
 ; PRIOR APPLICATION NUMBER: US 60/128,706  
 ; PRIOR FILING DATE: 1999-04-09  
 ; NUMBER OF SEQ ID NOS: 8344  
 ; SEQ ID NO 7402  
 ; LENGTH: 239

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; TYPE: PRT
; ORGANISM: Proteus mirabilis
US-09-543-681A-7402
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Query Match          73.2%;  Score 30;  DB 2;  Length 239;
Best Local Similarity 75.0%;  Pred. No. 2.8e+02;
Matches      6;  Conservative      2;  Mismatches      0;  Indels      0;  Gaps      0;
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Qy          1 ILFEILAK 8
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Db          166 MLFEILSK 173
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RESULT 10
US-10-029-345A-29
; Sequence 29, Application US/10029345A
; Patent No. 7153678
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING NOVEL HUMAN PHOSPHATASES
; FILE REFERENCE: D0072.NP
; CURRENT APPLICATION NUMBER: US/10/029,345A
; CURRENT FILING DATE: 2001-12-20
; PRIOR APPLICATION NUMBER: US 60/256,868
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: US 60/280,186
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: US 60/287,735
; PRIOR FILING DATE: 2001-05-01
; PRIOR APPLICATION NUMBER: US 60/295,848
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: US 60/300,465
; PRIOR FILING DATE: 2001-06-25
; NUMBER OF SEQ ID NOS: 208
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 29
; LENGTH: 303
; TYPE: PRT
; ORGANISM: Schizosaccharomyces pombe
US-10-029-345A-29
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Query Match          73.2%;  Score 30;  DB 3;  Length 303;
Best Local Similarity 75.0%;  Pred. No. 3.6e+02;
Matches      6;  Conservative      2;  Mismatches      0;  Indels      0;  Gaps      0;
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Qy          2 LFEILAKT 9
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Db          240 LFEILSQT 247
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RESULT 11
US-11-143-984A-29
; Sequence 29, Application US/11143984A
; Patent No. 7358074
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING NOVEL HUMAN PHOSPHATASES
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; FILE REFERENCE: D0072 DIV1
; CURRENT APPLICATION NUMBER: US/11/143,984A
; CURRENT FILING DATE: 2005-06-02
; PRIOR APPLICATION NUMBER: US 60/256,868
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: US 60/280,186
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: US 60/287,735
; PRIOR FILING DATE: 2001-05-01
; PRIOR APPLICATION NUMBER: US 60/295,848
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: US 60/300,465
; PRIOR FILING DATE: 2001-06-25
; NUMBER OF SEQ ID NOS: 208
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 29
; LENGTH: 303
; TYPE: PRT
; ORGANISM: Schizosaccharomyces pombe
US-11-143-984A-29
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Query Match          73.2%;  Score 30;  DB 3;  Length 303;
Best Local Similarity 75.0%;  Pred. No. 3.6e+02;
Matches      6;  Conservative      2;  Mismatches      0;  Indels      0;  Gaps      0;
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Qy          2 LFEILAKT 9
           |||||::|
Db          240 LFEILSQT 247
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RESULT 12

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US-09-540-236-2172
; Sequence 2172, Application US/09540236
; Patent No. 6673910
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO MORAXELLA
CATARRHALIS
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2005-001
; CURRENT APPLICATION NUMBER: US/09/540,236
; CURRENT FILING DATE: 2000-04-04
; NUMBER OF SEQ ID NOS: 3840
; SEQ ID NO 2172
; LENGTH: 304
; TYPE: PRT
; ORGANISM: M.catarrhalis
US-09-540-236-2172
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Query Match          73.2%;  Score 30;  DB 2;  Length 304;
Best Local Similarity 75.0%;  Pred. No. 3.6e+02;
Matches      6;  Conservative      1;  Mismatches      1;  Indels      0;  Gaps      0;
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Qy          2 LFEILAKT 9
           :|| ||||
Db          241 IFEYLAKT 248
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## RESULT 13

US-08-204-288-7

; Sequence 7, Application US/08204288  
; Patent No. 5959178  
; GENERAL INFORMATION:  
; APPLICANT: VAN DOORSSELAERE, Jan  
; APPLICANT: FRITIG, Bernard J.M.  
; APPLICANT: INZE, Dirk G.  
; APPLICANT: JOUANIN, Lise  
; APPLICANT: KNIGHT, Mary E.  
; APPLICANT: VAN MONTAGU, Marc  
; APPLICANT: LEGRAND, Michel  
; TITLE OF INVENTION: MODIFICATION OF LIGNIN SYNTHESIS IN  
; TITLE OF INVENTION: PLANTS  
; NUMBER OF SEQUENCES: 7  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: CUSHMAN DARBY & CUSHMAN, L.L.P.  
; STREET: 1100 New York Avenue, N.W.  
; CITY: Washington  
; STATE: D. C.  
; COUNTRY: U.S.A.  
; ZIP: 20005-3518  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/204,288  
; FILING DATE: 10-MAR-1994  
; CLASSIFICATION: 800  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: GB 9119279.9  
; FILING DATE: 10-SEP-1991  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/GB92/01460  
; FILING DATE: 09-SEP-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: KOKULIS, Paul N.  
; REGISTRATION NUMBER: 16,773  
; REFERENCE/DOCKET NUMBER: 206860/SEE36543/UST  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (202) 861-3000  
; TELEFAX: (202) 822-0944  
; TELEX: 6714627 CUSH  
; INFORMATION FOR SEQ ID NO: 7:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 365 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-204-288-7

Query Match 73.2%; Score 30; DB 1; Length 365;  
Best Local Similarity 75.0%; Pred. No. 4.4e+02;

Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 2 LFEILAKT 9  
:|||||:  
Db 43 VFEILAKS 50

## RESULT 14

US-10-450-183-15

; Sequence 15, Application US/10450183

; Patent No. 7384759

; GENERAL INFORMATION

; APPLICANT: NOEL, JOSEPH P.

; APPLICANT:ZUBIETA, CHLOE

; APPLICANT:DIXON, RICHARD

; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DETERMINING ENZYMATI

; TITLE OF INVENTION:ACTIVITY AND SPECIFICITY OF METHLYTRANSFERASES

; FILE REFERENCE: 088802-8153

; CURRENT APPLICATION NUMBER: US/10/450,183

; CURRENT FILING DATE: 2007-12-28

; PRIOR APPLICATION NUMBER: PCT/US01/17852

; PRIOR FILING DATE: 2001-06-01

; PRIOR APPLICATION NUMBER: 60/254,871

; PRIOR FILING DATE: 2000-12-11

; NUMBER OF SEQ ID NOS: 22

; SOFTWARE: PatentIn Ver. 3.3

; SEQ ID NO 15

; LENGTH: 367

; TYPE: PRT

; ORGANISM: Glycyrrhiza glabra

US-10-450-183-15

Query Match 73.2%; Score 30; DB 3; Length 367;

Best Local Similarity 85.7%; Pred. No. 4.4e+02;

Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 2 LFEILAK 8  
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Db 49 LFEIIAK 55

## RESULT 15

US-10-450-183-2

; Sequence 2, Application US/10450183

; Patent No. 7384759

; GENERAL INFORMATION

; APPLICANT: NOEL, JOSEPH P.

; APPLICANT:ZUBIETA, CHLOE

; APPLICANT:DIXON, RICHARD

; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DETERMINING ENZYMATI

; TITLE OF INVENTION:ACTIVITY AND SPECIFICITY OF METHLYTRANSFERASES

; FILE REFERENCE: 088802-8153

; CURRENT APPLICATION NUMBER: US/10/450,183

; CURRENT FILING DATE: 2007-12-28

; PRIOR APPLICATION NUMBER: PCT/US01/17852

; PRIOR FILING DATE: 2001-06-01

; PRIOR APPLICATION NUMBER: 60/254,871

; PRIOR FILING DATE: 2000-12-11  
; NUMBER OF SEQ ID NOS: 22  
; SOFTWARE: PatentIn Ver. 3.3  
; SEQ ID NO 2  
; LENGTH: 372  
; TYPE: PRT  
; ORGANISM: Medicago sativa  
US-10-450-183-2

Query Match 73.2%; Score 30; DB 3; Length 372;  
Best Local Similarity 85.7%; Pred. No. 4.5e+02;  
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 2 LFEILAK 8  
|||:|  
Db 49 LFEIIAK 55

Search completed: March 17, 2009, 05:04:35  
Job time : 1.76252 secs

SCORE 30